12

14

16

| ABBREVIATION/ EXPANSION DATABASE | HEALTH RECORD DATABASE | FEATURE VECTOR DATABASE |

10

| PROCESSOR | 18

Fig. 1

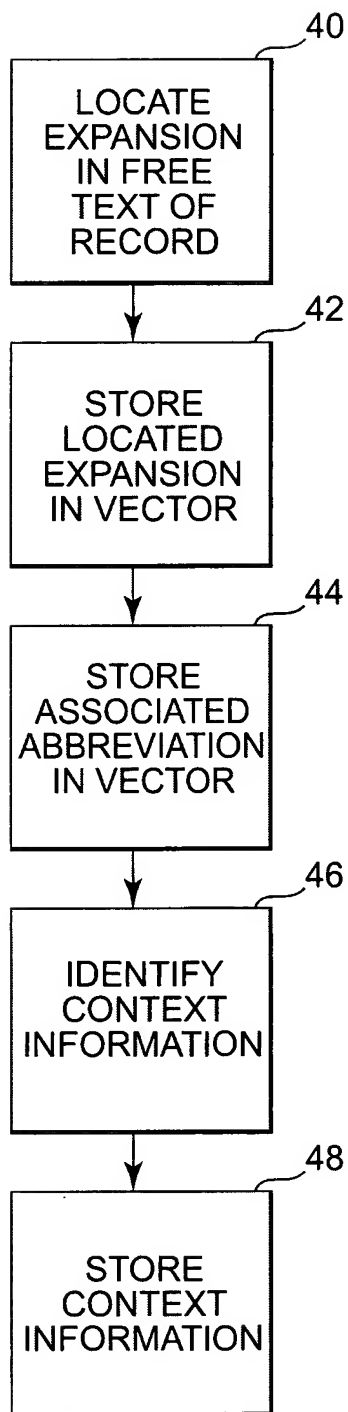| ABBREVIATION | EXPANSION | W_{L-1} | W_{L+1} | SECTION ID |

Fig. 3

```
          ┌─────────────┐  40
          │   LOCATE    │
          │  EXPANSION  │
          │   IN FREE   │
          │   TEXT OF   │
          │   RECORD    │
          └──────┬──────┘
                 │
                 ▼
          ┌─────────────┐  42
          │    STORE    │
          │   LOCATED   │
          │  EXPANSION  │
          │  IN VECTOR  │
          └──────┬──────┘
                 │
                 ▼
          ┌─────────────┐  44
          │    STORE    │
          │  ASSOCIATED │
          │ ABBREVIATION│
          │  IN VECTOR  │
          └──────┬──────┘
                 │
                 ▼
          ┌─────────────┐  46
          │   IDENTIFY  │
          │   CONTEXT   │
          │ INFORMATION │
          └──────┬──────┘
                 │
                 ▼
          ┌─────────────┐  48
          │    STORE    │
          │   CONTEXT   │
          │ INFORMATION │
          └─────────────┘
```

Fig. 2